

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/003302

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J23/28 B01J23/30 C07C51/225 C07C51/25 C07C5/48
C07C67/05

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, COMPENDEX, INSPEC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 294 846 A (UNION CARBIDE CORP) 14 December 1988 (1988-12-14)	1-37
Y	page 3, line 55 - page 4, line 21; examples 23,24	38-42
X	WO 03/033138 A (ELLIS BRIAN ; BP CHEM INT LTD (GB)) 24 April 2003 (2003-04-24) cited in the application	1-42
Y	claims 1,4; examples B,C page 4, line 29 - page 5, line 21	38-42
X	US 2003/088118 A1 (KOMADA SATORU ET AL) 8 May 2003 (2003-05-08) claims 1,4 paragraph '0298! - paragraph '0304! examples 2,3,14,15	1-16, 18-27
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

9 September 2004

Date of mailing of the international search report

16/09/2004

Name and mailing address of the ISA

European Patent Office, P.O. 5516 Patentian 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Besselmann, S

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/003302

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 524 236 A (MCCAIN JAMES H) 18 June 1985 (1985-06-18)	1-4, 6-37
Y	column 1, line 43 - line 46 column 3, line 15 - line 46 column 5, line 28 - line 31 claim 1; examples 1,9 -----	38-42

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/003302

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0294846	A	14-12-1988	AU 612368 B2	11-07-1991
			AU 1758888 A	15-12-1988
			CA 1305180 C	14-07-1992
			EP 0294846 A2	14-12-1988
			JP 1063541 A	09-03-1989
			ZA 8804182 A	22-02-1989
WO 03033138	A	24-04-2003	CA 2460030 A1	24-04-2003
			EP 1439907 A1	28-07-2004
			WO 03033138 A1	24-04-2003
US 2003088118	A1	08-05-2003	CN 1419473 T	21-05-2003
			DE 10195967 T0	22-05-2003
			WO 0196016 A1	20-12-2001
US 4524236	A	18-06-1985	AU 587981 B2	07-09-1989
			AU 4428885 A	02-01-1986
			BR 8503080 A	11-03-1986
			CA 1229351 A1	17-11-1987
			CN 85105406 A	14-01-1987
			DE 3562225 D1	26-05-1988
			EP 0167109 A2	08-01-1986
			JP 1686453 C	11-08-1992
			JP 3054927 B	21-08-1991
			JP 61015849 A	23-01-1986
			MX 167427 B	22-03-1993
			NO 852592 A ,B,	30-12-1985
			YU 108185 A1	31-10-1987
			ZA 8504882 A	26-02-1986